

REPORTS OF INVESTIGATIONS

Phase I Archaeological Investigation
for the proposed Knox Village Senior Housing
Vails Gate, Township of New Windsor
Orange County, New York

July 2008

Prepared for:

Legacy Woods, New York, New York

Prepared by:

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Report #: 574

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MANAGEMENT SUMMARY

PR#:

None known

Involved agencies:

Town of New Windsor

Phase:

Phase IA & IB

Location:

Vails Gate
Town of New Windsor
Orange County

Survey Area:

Length: about 300 feet (91 meters) north-south

Width: about 1900 feet (579 m) east-west.

Acres Surveyed: 14 acres (1.2 hectares)

USGS:

Cornwall, NY

Survey overview:

ST no. & interval: 265 ST's at 50 to 3ft (15-1m) intervals.

Size of freshly plowed area: na

Surface survey transect interval: na

Results:

One chert flake isolated find

No historic remains

Results of Architectural Survey:

No. Of buildings/structures/cemeteries in project area: 2 (concrete block structures)

No. Of buildings/structures/cemeteries adjacent to project area: 13

No. Of previously determined NR listed or eligible buildings/structures/cemeteries/districts: none

No. Of identified eligible buildings/structures/cemeteries/districts: none

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Date of Report:

Report completed July, 2008

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INTRODUCTION

Between April 5 and June 7, 2008, TRACKER-Archaeology Services, Inc. conducted a Phase IA documentary study and a Phase IB archaeological survey for the proposed Knox Village Senior Housing subdivision in Vails Gate, Township of New Windsor, Orange County, New York. The purpose of the Phase IA documentary study was to determine the prehistoric and historic potential of the project area for the recovery of archaeological remains.

The Phase IA was implemented by a review of the original and current environmental data, archaeological site files, other archival literature, maps, interviews, and documents.

The prehistoric and historic site file search was conducted utilizing the resources of the New York State Historic Preservation Office in Waterford, New York by Curtin Archaeological Consulting. Various historic web sites were queried via the internet to review any pertinent site information.

These investigations have been conducted in accordance with the standards set forth by the New York Archaeological Council and the New York State Historic Preservation Office.

The Phase IB survey provided actual evidence for the presence or absence of any archaeological sites within the property through ground surface and subsurface field testing.

The entire property is the APE and is approximately 14 acres inclusive with wetlands. The property appears to lie along the Cornwall and New Windsor town line. It is bordered to the west by NYS Route 32 and private property, to the east by NYS public land, and to the north and south by private properties.

The investigation was completed by TRACKER-Archaeology Services, Inc. of Monroe, New York. Prehistoric and historic research was conducted by Alfred G. Cammisa, M.A. and Felicia Cammisa, B.A. Field work was conducted by field director, Alexander Padilla, B.A., crew chief, Michael Barrett, B.A. and field technicians, Alexander D'Amico, B.A., and Sarah Roberts, B.A. Report preparation was by Alfred Cammisa, Felicia Cammisa, and Alexander Padilla.

The work was performed for Legacy Woods, New York, New York.

ENVIRONMENT

Geology

The study area is located in the southeast portion of New York State in the central part of Orange County. This region of New York lies within the Ridge and Valley Physiographic Province near the interface of the Hudson Highlands. This province, also known as the Newer Appalachians, extends from Lake Champlain to Alabama. It passes as a narrow lowland belt between the New England Uplands (Taconic Mountains and Hudson Highlands) to the east and the Appalachian Plateau (Catskill and Shawangunk Mountains) and Adirondack Mountains to the west. The characteristic topography is a succession of parallel valleys and ridges trending roughly in a northeasterly direction. This is a region of sedimentary rocks which were easily eroded and subjected to folding or bedding of the rock layers. The eastern limit of the Ridge and Valley Province is a broad, well-defined valley, 300 to 600 feet above sea level, known as the Great Valley. In the vicinity of

Ellenville, the Great Valley is called the Wallkill Valley (Schuberth 1968: cover map, 16-18; Isachsen et al 2000: 4, 53-54; New York-New Jersey Trail Conference 1998: cover map).

Soils and Topography

Soils on the project area consist of:

Name	Soil Horizon Depth in(cm)	Color	Texture Inclusion	Slope %	Drainage	Land-form
Erie	Ap= 0-6in (0-15cm) B= 6-18 (-46)	10YR3/3 10YR5/6	GrSiLo	3-8	poor	glacial till
Mardin	Ap= 0-8in (0-20cm) B= 9-15 (-38)	10YR4/3 10YR5/6	GrSiLo	3-8 & 8-15	well	glacial till

(Olsson 1981:map#43; 18-19, 37-38, 94).

KEY:

Shade: Lt=Light, Dk=Dark, V=Very

Color: Br=Brown, Blk=Black, Gry=Gray, Gbr=Gray Brown, StBr=Strong Brown, Rbr=Red Brown, Ybr= Yellow Brown

Soils: Si=Silt, Lo=Loam, Sa=Sand, Cl=Clay

Other: Sh=shale, M=Mottle, Gr=Gravelly, Cb=cobbles, Ch=channery, Fi=Fine, /=or

Elevations on the project areas range from approximately 230 to 320 feet above mean sea level.

Hydrology

Freshwater wetlands are on the property adjacent to the project area. The Moodna Creek is about 850 feet east of the project area.

Vegetation

The predominant forest community in this area was probably the Oak Hickory. This forest is a nut producing forest with acorns and hickory nuts usually an obvious part of the leaf litter on the forest floor. The Oak Hickory Forest intermingles with virtually all other forest types. The northern extension of this forest community was also originally called the Oak-Chestnut forest, before the historic Chestnut blight (Kricher 1988:38, 57-60).

At the time of the Phase IB field work, the property consisted of an overgrown maple forest with some oaks.

PREHISTORIC POTENTIAL

A prehistoric site file search was conducted at the New York State Historic Preservation Office. The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM Site	NYSHPO Site	Distance from APE m(ft)	Site Type
	07115.000704	938 (3077)	Stray find
	07115.000705	679 (2228)	Stray Find #2
563		1324 (4344)	Camp Moodna Creek SMK 16-2 Bear Mt Mus 5-0

Assessing the known environmental and prehistoric data, we can summarize the following points:

- Freshwater wetlands are on the property adjacent to the project area. The Moodna Creek is about 850 feet east of the project area.
- The property contains level to steeply sloping terrain with mostly well drained soils and poorly drained soils in the wetland areas.
- Prehistoric sites were situated in the vicinity of the project area.

In our opinion, the study area has an above average potential for the recovery of prehistoric sites. The type of site encountered could be a procurement/processing site from the Woodland or Archaic periods.

HISTORIC POTENTIAL

Seventeenth Century

At the time of European contact and settlement, the study area was probably occupied by the Minsi group proper. The Waoranecks lived between Stony Point and Danns Kammer (near Newburgh Bay) with their western boundary unknown. The Waoraneck people were likely a sub-branch and/or clan or village related to the large Munsee (Minsi) tribe belonging to the Delawarean linguistic family. The term "Minsi" (or "Munsee") means people of the stony country" or abbreviated as "mountaineers" (Ruttenber 1992A:35, 44-45, 49-50, 93; Ruttenber 1992A:221; Becker 1993:16-22; Hearne Brothers nd:wall map; Weslager 1991:45; Synder 1969:2).

Population estimates for the Munsee are 600 to 800 individuals. The Munsee are described by Becker (1993:18) as possibly horticultural.

Eighteenth Century

The Dewitt patent map shows the project property located near the big bend in the Hudson River just north of confluence of Moodna and Woodbury Creeks on lands perhaps belonging to Mary Innoldsby and Mary Pinkard (sp?) (Ruttenber, E.M. and L.H. Clark 1881) (Figure 3).

Knox headquarters were formerly the John Ellison house, built in 1754 and served as the headquarters of Major Generals Henry Knox, Natanael Greene, Fredrich von Steuban, and Horatio Gates during the various encampments of the continental Army. The Knox headquarters property is adjacent to the project area. This is now a state park and on the state and national historical registers (Dept. of Interior form).

Ellison also had a grist mill associated with the house (Ruttenber & Clarke 1881).

The 1779 Sauthier map shows the study property located near New Windsor and the Moodna Creek (Figure 4).

Nineteenth Century

The 1840 Burr Map of Orange and Rockland Counties shows the project area on what appears to be Innoldsby (sp?) & Pinkburn (sp?) land. No structures are depicted on or adjacent to, or nearby the project area (Figure 5).

The 1850 Sydney Map of Orange County shows the project area in the hamlet of Mortonville. No structures are on or immediately adjacent to the project area, however the Vail building is nearby and a toll gate, which may be one and the same structure. The encampment of the Revolutionary Army is depicted nearby on this map (Figure 6). Vail was the keeper of the gate (Ruttenber & Clarke 1881).

The 1875 Beers town atlas shows no structures on or immediately adjacent to the property. General Knox's headquarters are shown (Figure 7).

Twentieth Century

The 1902 U.S.G.S. depicts no structures on or immediately adjacent to the project area (Figure 8).

At about this time, Vails Gate had about 35 houses, a church, 3 hotels, and a general store (Morrison 1908).

An historic site file search was conducted at the New York State Historic Preservation Office. The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM Site	NYSHPO Site	Distance from APE m(ft)	Site Type
	07115.000007	321 (1053)	John Haskell Site: standing structure

Assessing the known environmental and historic data, we can summarize the following points:

- Freshwater wetlands are on the property adjacent to the project area. The Moodna Creek is about 850 feet east of the project area.
- The property contains level to steeply sloping terrain with mostly well drained soils and poorly drained soils in the wetland areas.
- No historic map documented structure were noted on or immediately adjacent to the project area.
- 1 historic site is noted in the vicinity of the project area.
- The Knox headquarters property is adjacent to the project area.

In our opinion, the project parcel has a higher than average potential for the recovery of nineteenth century sites.

FIELD METHODS

Walkover

Covered ground terrain was reconnoitered at about 7.5 to 15 meter intervals, or less, to observe for any above ground features, such as berms, rock configurations, or depressions, which might be evidence for a prehistoric or historic site. Photographs were taken of the project area. Ground surface with good visibility (70%-100%) was walked-over at 3 to 5 meter intervals.

Shovel Testing

Shovel tests were excavated at 15 to 7.5 meter intervals across the project area. Closer intervals were excavated near the higher potential for historic or prehistoric sites like wetlands or historic structures.

Each shovel test measured about 30 to 40 cm. in diameter and was dug into the underlying subsoil (B horizon) 10 to 20 cm. when possible. All soils were screened through 1/4 inch wire mesh and observed for artifacts. All shovel tests (ST's) were mapped on the project area map at this time.

Soils stratigraphy was recorded according to texture and color. Soil color was matched against the Munsell color chart for soils. Notes on ST stratigraphy and other information was transcribed on field forms and in a notebook.

FIELD RESULTS

Field testing of the project area included the excavation of 265 shovel tests. One prehistoric chert flake artifact was recovered at ST 171. Eight additional radial ST's were excavated at 1 and 3 meters from the "positive" ST in the four cardinal directions with negative results.

Two concrete block structures were encountered, which appeared to be walls (not foundations). No historic artifacts or features were encountered.

Stratigraphy

Stratigraphy across the project corridor consisted of:

-O horizon - 0 to 10 cm. thick of root mat, leaf litter, and humus. On occasion, this layer was absent.

-A horizon - 6 to 29 cm. thick of 10YR4/2 dark grey brown gravelly silty loam. The natural gravel content of the soils often impeded digging into subsoil.

-B horizon - 10 to 20 cm. dug into of 10YR6/6, brownish yellow or 10YR5/4 yellow brown gravelly silty loam where not impeded by the natural gravel in the soil.

CONCLUSIONS AND RECOMMENDATIONS

The Phase IA had determined that based upon topographic characteristics and proximity to prehistoric sites, the property was assessed as having an above average potential for encountering prehistoric sites. Based upon topographic characteristics and proximity to historic sites, buildings, and historic map documented structures, the property was assessed as having a higher than average

potential for encountering historic sites.

During the course of the Phase IB archaeological field survey, 265 ST's were excavated. One prehistoric chert flake isolated artifact was encountered. Two twentieth century concrete block wall structures were encountered. No historic artifacts or features were encountered. No further work is recommended.

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1779 *A Chronological Map of the Province of New York in North America, Divided into Counties, manors, Patents, Townships, and Grants of Land*. William Faden, London.

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United States Geologic Survey

1957 *Cornwall, New York* quadrangle map, 7.5 minute series.

1902 *Schunemunk, New York* quadrangle map, 15 minute series.

APPENDIX 1

TRACKER

Archaeology Services, Inc.

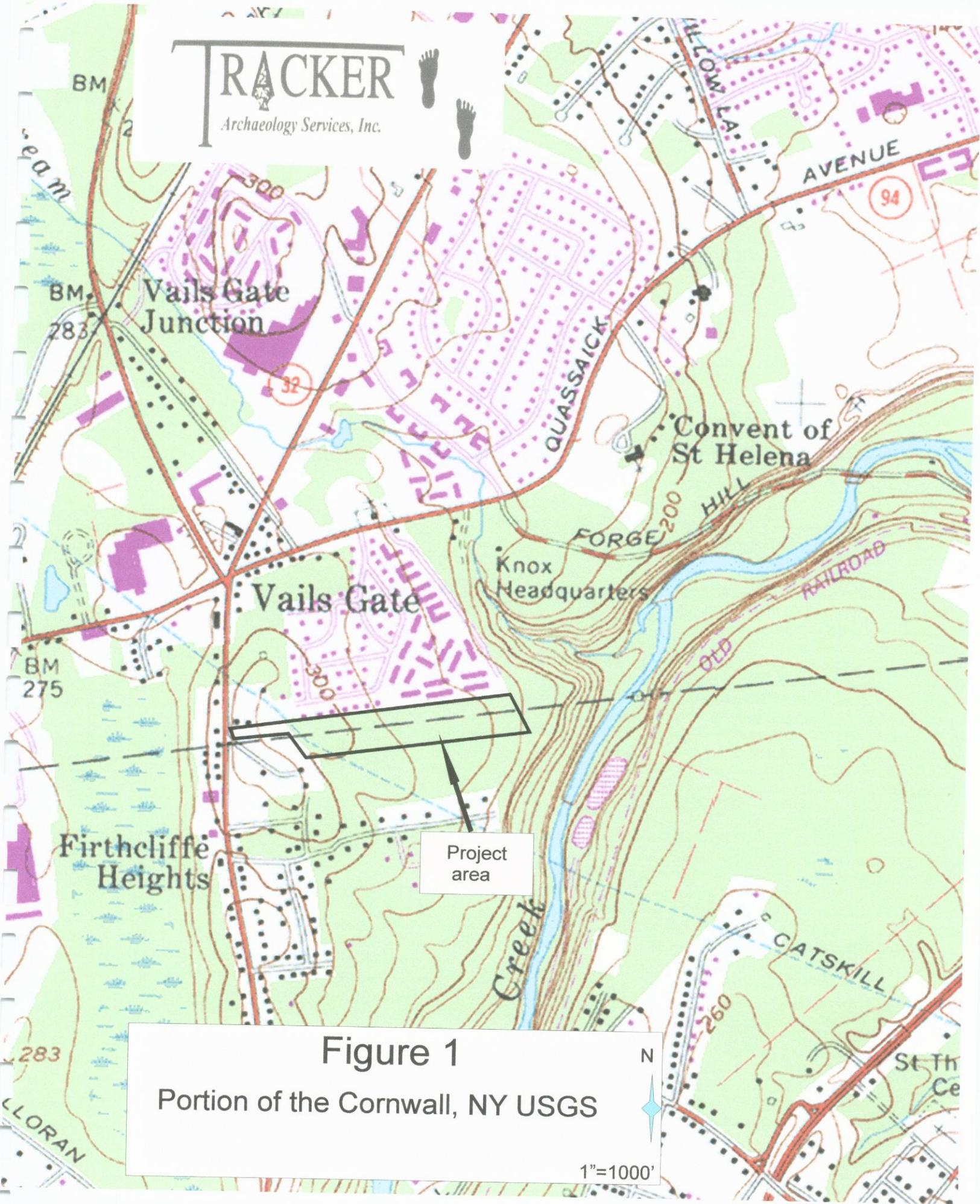


Figure 1
Portion of the Cornwall, NY USGS

1"=1000'

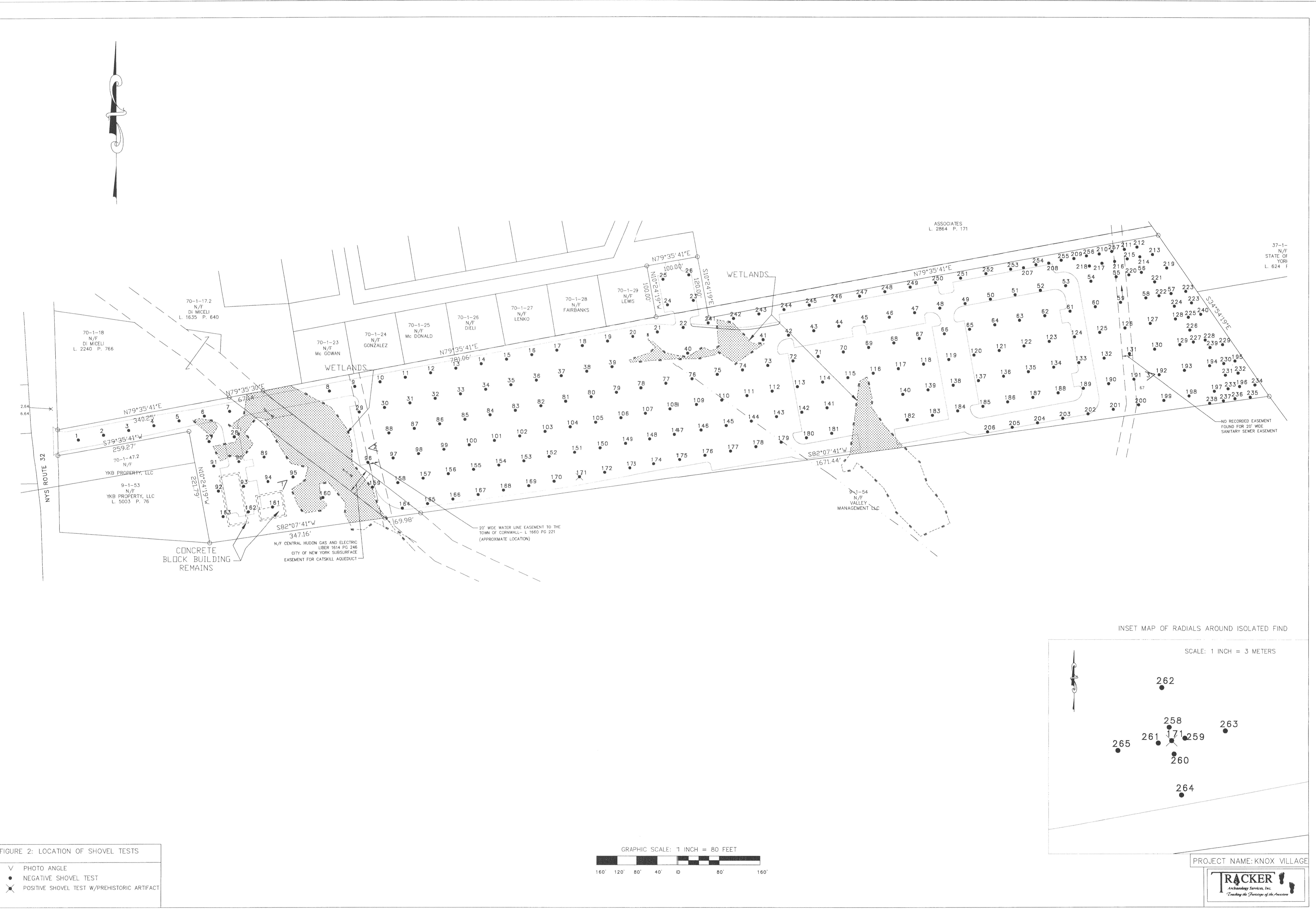
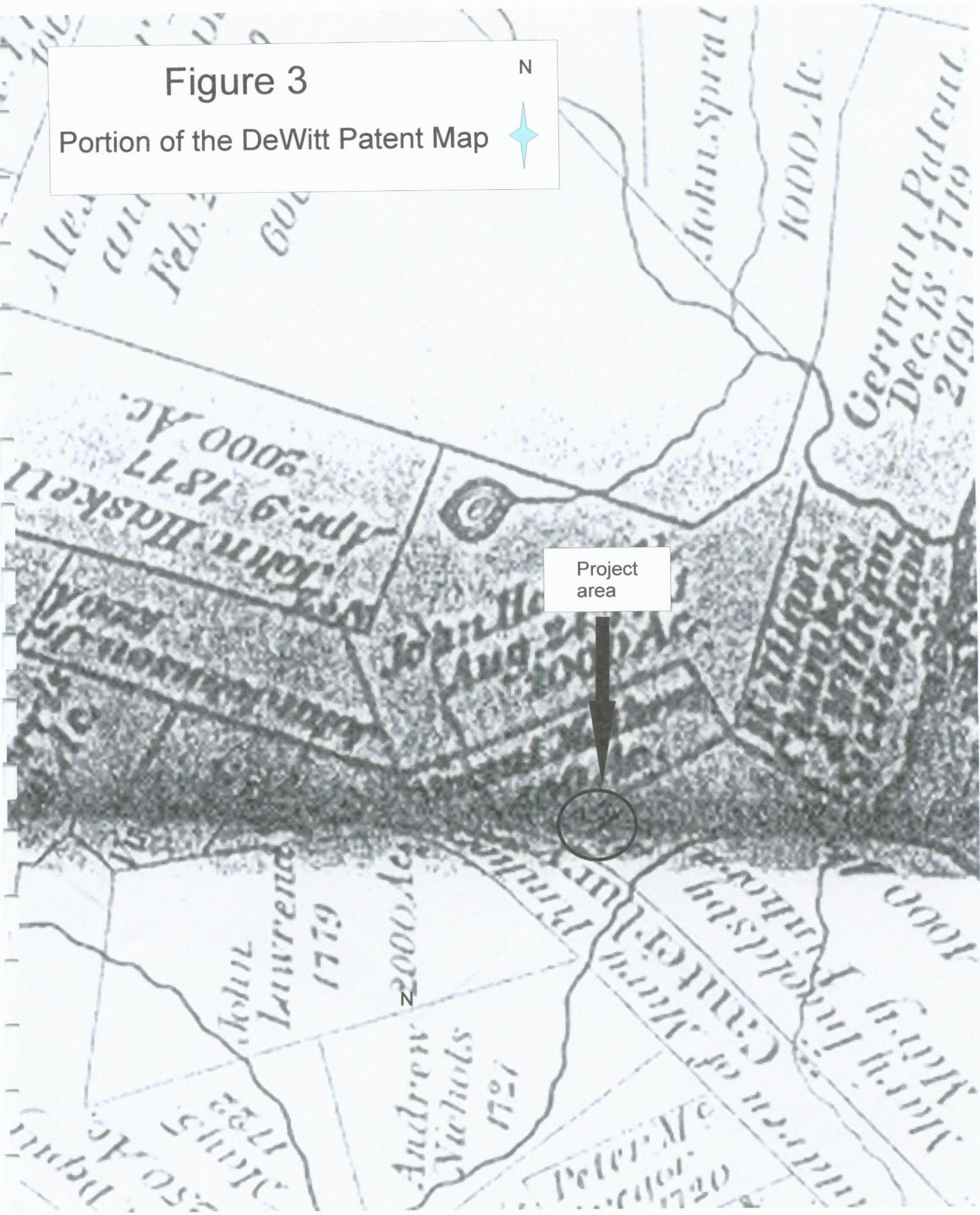


Figure 3

Portion of the DeWitt Patent Map

N



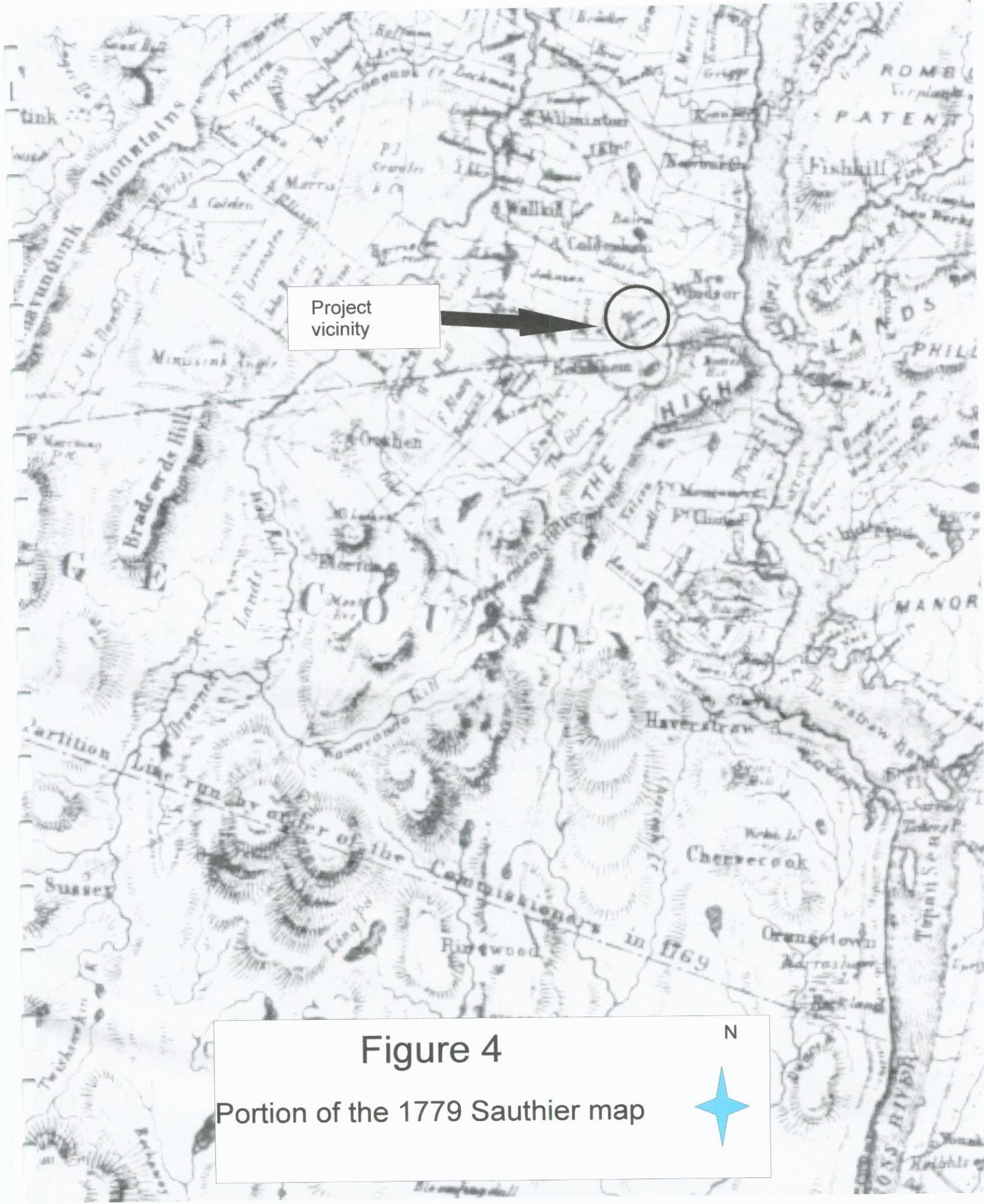


Figure 4
Portion of the 1779 Sauthier map

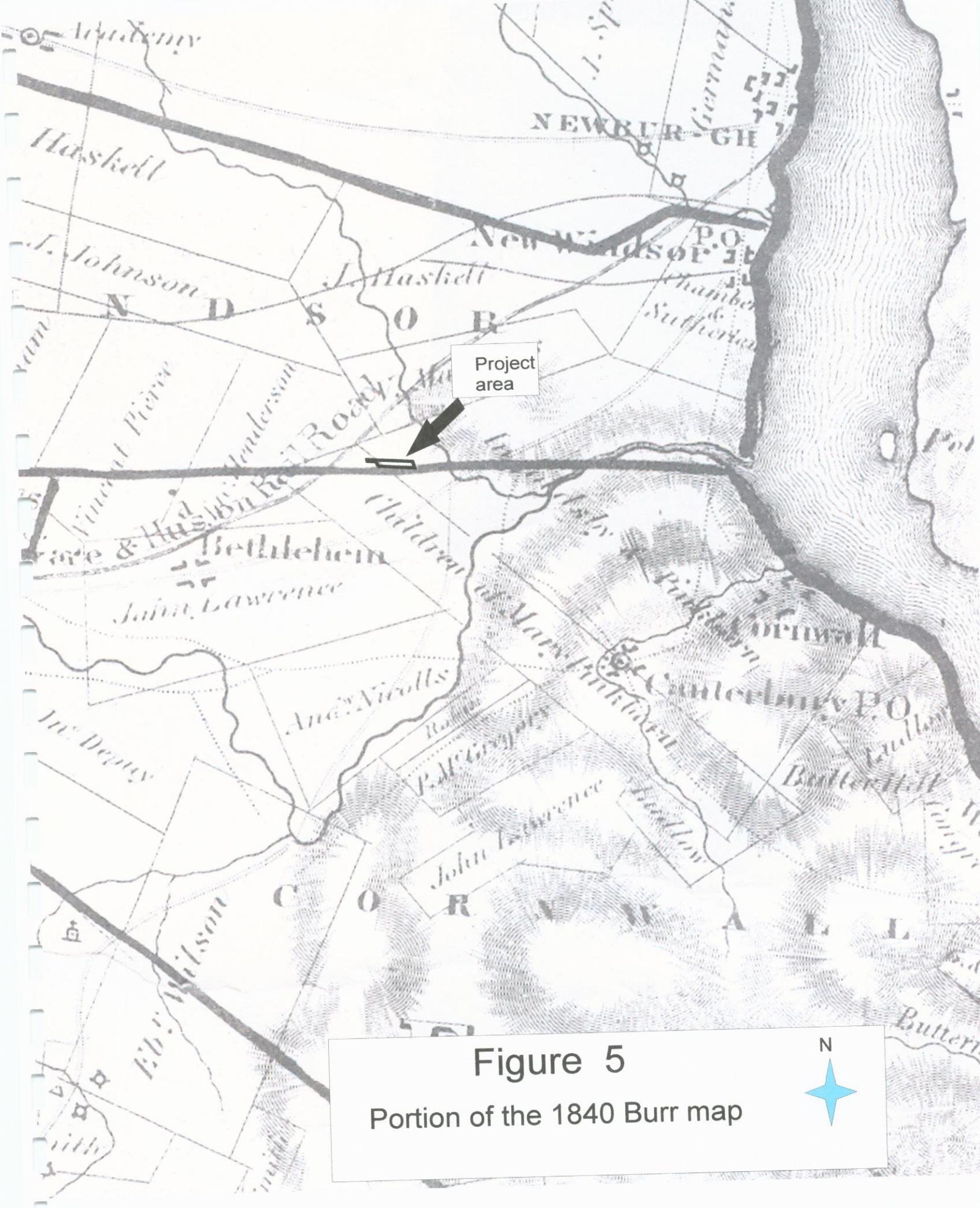


Figure 5
Portion of the 1840 Burr map

Figure 6
Portion of the 1850 Sydney map

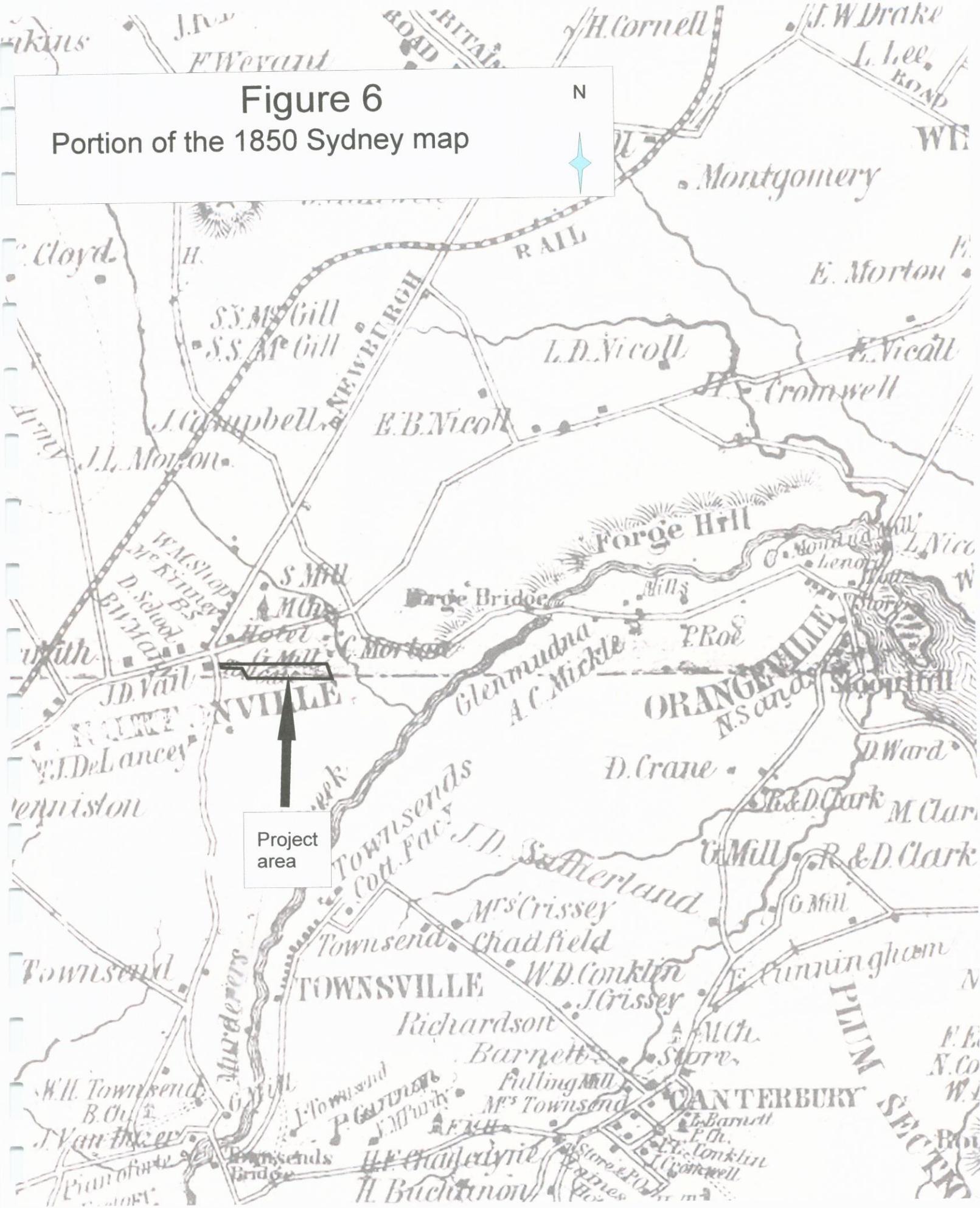


Figure 7

Portion of the 1875 Beers atlas

N

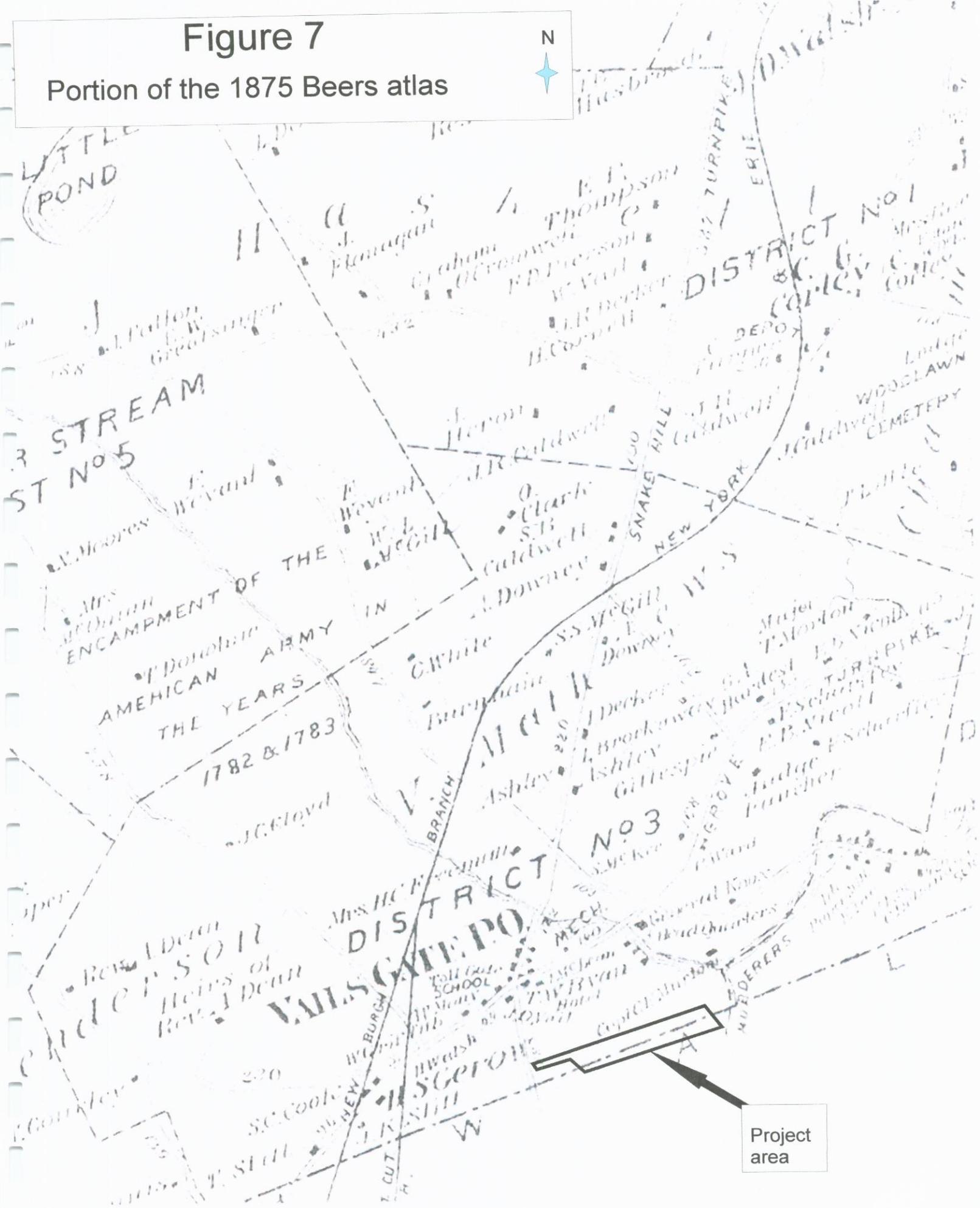


Figure 8

Portion of the 1902 USGS

N

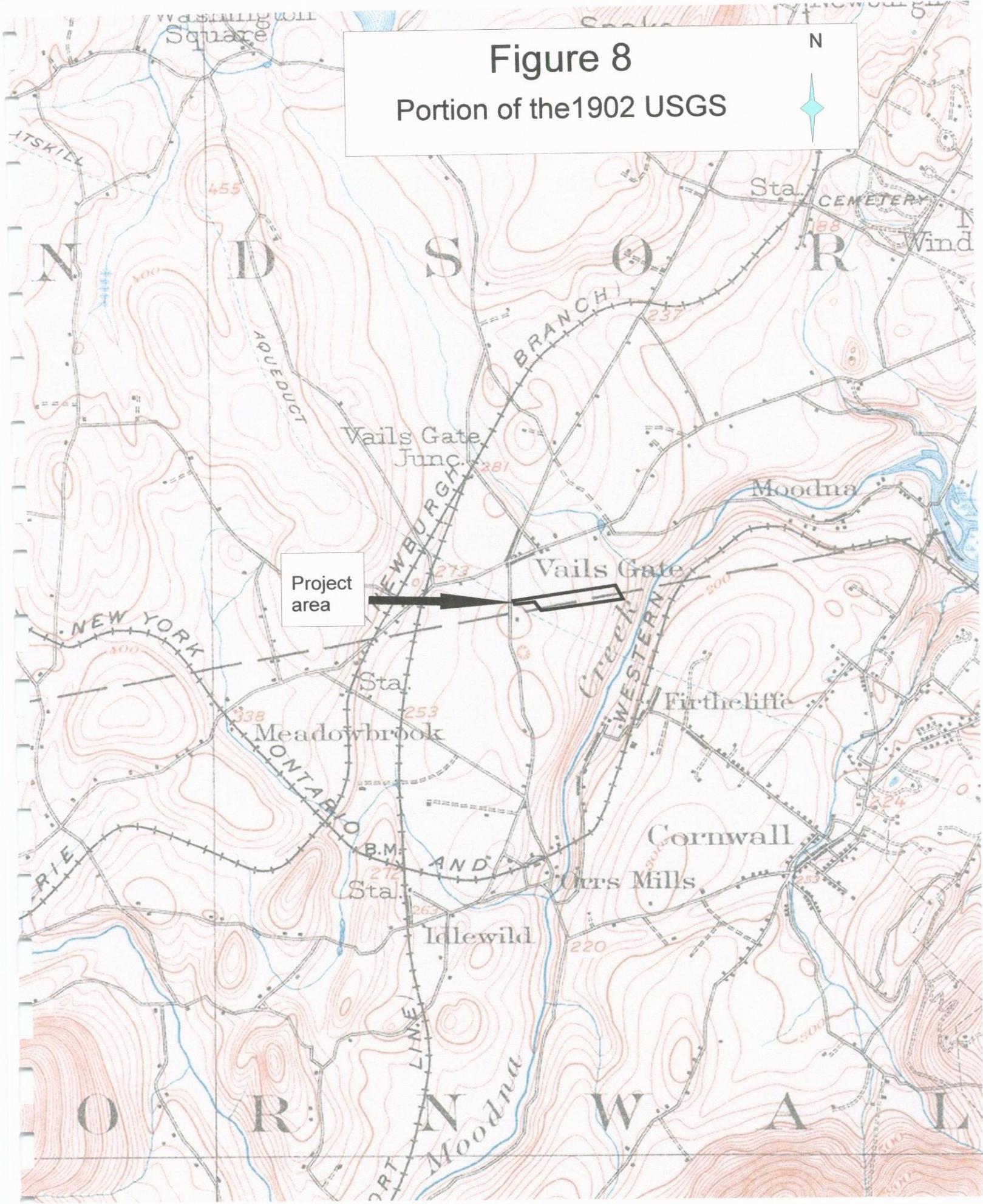


Figure 9

Portion of the County Soil Survey

N

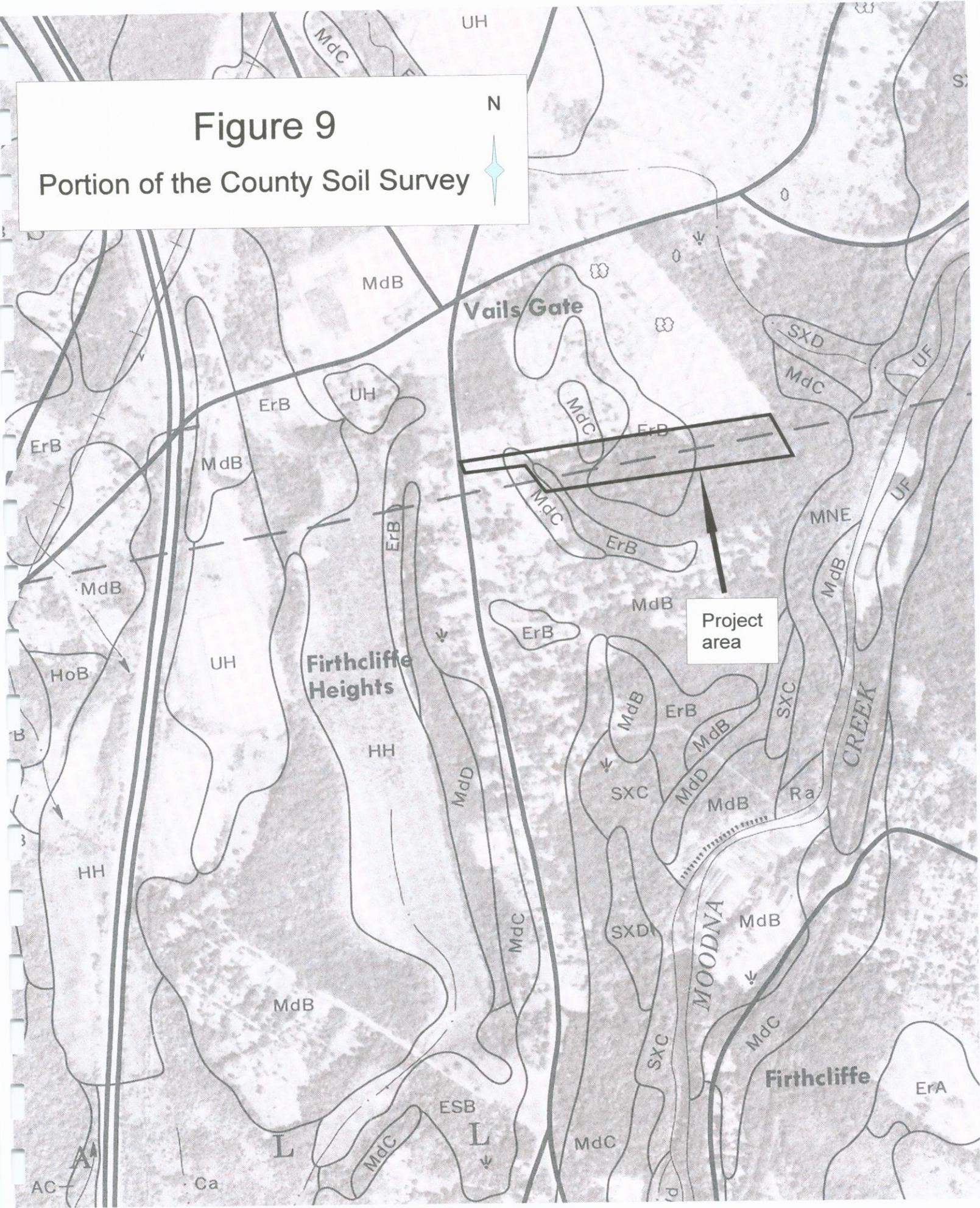




Photo 1

Looking southwest
from ST 95



2008/05/27

Photo 2

Looking east
from ST 96



Photo 3

Looking west
from ST 192

APPENDIX 2

SHOVEL TESTS

STP	LV	DEPTH(CM)	TEXTURE	COLOR	HOR	COMMENT
1	1	0-4	rootmat,leaves,humus	10YR4/2	A/O A	NCM NCM
	2	4-21	GrSiLo			
	3	21-rocks.				
2	1	0-4	rootmat,leaves,humus	10YR4/2	A/O A	NCM NCM
	2	4-15	GrSiLo			
	3	15-rocks.				
3	1	0-2	rootmat,leaves,humus	10YR4/2	A/O A	NCM NCM
	2	2-18	GrSiLo			
	3	18-rocks.				
4	1	0-4	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	4-13	GrSiLo			
	3	13-25	GrSiLo			
5	1	0-1	rootmat,leaves,humus	10YR4/2	A/O A	NCM NCM
	2	1-15	GrSiLo			
	3	15-rocks.				
6	1	0-4	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	4-23	GrSiLo			
	3	4-32	GrSiLo			
7	1	0-1	rootmat,leaves,humus	10YR4/2	A/O A	NCM NCM
	2	1-30	GrSiLo			
	3	30-rocks.				
8	1	0-2	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	2-18	GrSiLo			
	3	18-29	GrSiLo			
9	1	0-5	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	5-19	GrSiLo			
	3	19-29	GrSiLo			
10	1	0-3	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	3-27	GrSiLo			
	3	27-39	GrSiLo			
11	1	0-4	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	4-21	GrSiLo			
	3	21-33	GrSiLo,water			
12	1	0-5	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	5-19	GrSiLo			
	3	19-27,rocks	GrSiLo			
13	1	0-3	rootmat,leaves,humus	10YR4/2 10YR6/6	A/O A B	NCM NCM NCM
	2	3-20	GrSiLo			
	3	20-33	GrSiLo			

14	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-12	GrSiLo	10YR4/2	A	glass,toothpaste
	3	12- rocks.				
15	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-10	GrSiLo	10YR4/2	A	NCM
	3	10-21	GrSiLo	10YR6/6	B	NCM
16	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-12	GrSiLo	10YR4/2	A	NCM
	3	12-24	GrSiLo	10YR6/6	B	NCM
17	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-14	GrSiLo	10YR4/2	A	NCM
	3	14-24	GrSiLo	10YR6/6	B	NCM
18	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-19	GrSiLo	10YR4/2	A	NCM
	3	19-21roots	GrSiLo	10YR6/6	B	NCM
19	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-22	GrSiLo	10YR4/2	A	NCM
	3	22-33	GrSiLo	10YR6/6	B	NCM
20	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-17	GrSiLo	10YR4/2	A	NCM
	3	17-water.				
21	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-10	GrSiLo	10YR4/2	A	NCM
	3	10-23	GrSiLo	10YR6/6	B	NCM
22	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	GrSiLo	10YR4/2	A	NCM
	3	24-34	GrSiLo	10YR6/6	B	NCM
23	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	GrSiLo	10YR4/2	A	plastic
	3	29-31,rocks.	GrSiLo	10YR6/6	B	NCM
24	2	0-9	GrSiLo	10YR4/2	A	glass
	3	9-rocks.				
25	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-21	GrSiLo	10YR4/2	A	NCM
	3	21-33	GrSiLo	10YR6/6	B	NCM
26	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/2	A	NCM
	3	25-36	GrSiLo	10YR6/6	B	NCM
27	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-12	GrSiLo	10YR4/2	A	NCM
	3	12-20,rocks	GrSiLo	10YR6/6	B	NCM

28	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	GrSiLo	10YR4/2	A	NCM
	3	21-31	GrSiLo	10YR6/6	B	NCM
29	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	GrSiLo	10YR4/2	A	NCM
	3	26-36	GrSiLo	10YR6/6	B	NCM
30	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR6/6	B	NCM
31	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	GrSiLo	10YR4/2	A	NCM
	3	23-rocks.				
32	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-9	GrSiLo	10YR4/2	A	NCM
	3	9-20	GrSiLo	10YR6/6	B	NCM
33	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-15	GrSiLo	10YR4/2	A	NCM
	3	15-26	GrSiLo	10YR6/6	B	NCM
34	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-15	GrSiLo	10YR4/2	A	NCM
	3	15-28	GrSiLo	10YR6/6	B	NCM
35	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-8	GrSiLo	10YR4/2	A	NCM
	3	8-25	GrSiLo	10YR6/6	B	NCM
36	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	GrSiLo	10YR4/2	A	NCM
	3	17-27	GrSiLo	10YR6/6	B	NCM
37	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/2	A	NCM
	3	26-37	GrSiLo	10YR6/6	B	NCM
38	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	GrSiLo	10YR4/2	A	NCM
	3	13-rocks.				
39	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-19	GrSiLo	10YR4/2	A	NCM
	3	19-33	GrSiLo	10YR6/6	B	NCM
40	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-12	GrSiLo	10YR4/2	A	NCM
	3	12-rocks.				
41	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-31	GrSiLo	10YR6/6	B	NCM

42	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-9	GrSiLo	10YR4/2	A	NCM
	3	9-rocks.				
43	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/2	A	NCM
	3	28-38	GrSiLo	10YR6/6	B	NCM
44	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-21	GrSiLo	10YR4/2	A	NCM
	3	21-40	GrSiLo	10YR6/6	B	NCM
45	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-29	GrSiLo	10YR6/6	B	NCM
46	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-24	GrSiLo	10YR4/2	A	NCM
	3	24-rocks.				
47	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrSiLo	10YR4/2	A	NCM
	3	26-38	GrSiLo	10YR6/6	B	NCM
48	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	GrSiLo	10YR4/2	A	NCM
	3	29-40	GrSiLo	10YR6/6	B	NCM
49	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	GrSiLo	10YR4/2	A	NCM
	3	23-34	GrSiLo	10YR6/6	B	NCM
50	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	GrSiLo	10YR4/2	A	NCM
	3	13- rocks.				
51	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR6/6	B	NCM
52	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	GrSiLo	10YR4/2	A	NCM
	3	18- gravel.				
53	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	GrSiLo	10YR4/2	A	NCM
	3	23-35	GrSiLo	10YR5/4	B	NCM
54	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-29	GrSiLo	10YR5/4	B	NCM
55	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR5/4	B	NCM

56	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR5/4	B	NCM
57	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-26	GrSiLo	10YR4/2	A	NCM
	3	26-38	GrSiLo	10YR5/4	B	NCM
58	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	GrSiLo	10YR4/2	A	NCM
	3	28-40	GrSiLo	10YR5/4	B	NCM
59	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	GrSiLo	10YR4/2	A	NCM
	3	23-34	GrSiLo	10YR5/4	B	NCM
60	2	0-1	GrSiLo	10YR4/2	A	NCM
	3	1-28	GrSiLo	10YR5/4	B	NCM
61	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	NCM
	3	20-31	GrSiLo	10YR5/4	B	NCM
62	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-24	GrSiLo	10YR4/2	A	NCM
	3	24-37	GrSiLo	10YR5/4	B	NCM
63	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-28	GrSiLo	10YR5/4	B	NCM
64	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	GrSiLo	10YR4/2	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
65	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-29	GrSiLo	10YR5/4	B	NCM
66	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR5/4	B	NCM
67	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-21	GrSiLo	10YR4/2	A	NCM
	3	21-31	GrSiLo	10YR5/4	B	NCM
68	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-27	GrSiLo	10YR4/2	A	NCM
	3	27-39	GrSiLo	10YR5/4	B	NCM
69	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrSiLo	10YR4/2	A	NCM
	3	17-28	GrSiLo	10YR5/4	B	NCM

70	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR5/4	B	NCM
71	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-14	GrSiLo	10YR4/2	A	NCM
	3	14-26	GrSiLo	10YR5/4	B	NCM
72	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-15	GrSiLo	10YR4/2	A	NCM
	3	15-26	GrSiLo	10YR5/4	B	NCM
73	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	GrSiLo	10YR4/2	A	NCM
	3	13-24	GrSiLo	10YR5/4	B	NCM
74	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	GrSiLo	10YR4/2	A	NCM
	3	24-34	GrSiLo	10YR5/4	B	NCM
75	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-21	GrSiLo	10YR4/2	A	NCM
	3	21-31	GrSiLo	10YR5/4	B	NCM
76	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	GrSiLo	10YR4/2	A	NCM
	3	27-40	GrSiLo	10YR5/4	B	NCM
77	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	GrSiLo	10YR4/2	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
78	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR5/4	B	NCM
79	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	GrSiLo	10YR4/2	A	NCM
	3	27-39	GrSiLo	10YR5/4	B	NCM
80	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	GrSiLo	10YR4/2	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
81	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-31	GrSiLo	10YR4/2	A	NCM
	3	31-44	GrSiLo	10YR5/4	B	NCM
82	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-32	GrSiLo	10YR4/2	A	NCM
	3	32-46	GrSiLo	10YR5/4	B	NCM
83	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	GrSiLo	10YR4/2	A	NCM
	3	28-45	GrSiLo	10YR5/4	B	NCM

84	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	GrSiLo	10YR4/2	A	NCM
	3	24-34	GrSiLo	10YR5/4	B	NCM
85	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrSiLo	10YR4/2	A	NCM
	3	28-38	GrSiLo	10YR5/4	B	NCM
86	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrSiLo	10YR4/2	A	NCM
	3	17-29	GrSiLo	10YR5/4	B	NCM
87	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	GrSiLo	10YR4/2	A	NCM
	3	31-45	GrSiLo	10YR5/4	B	NCM
88	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-24	GrSiLo	10YR4/2	A	NCM
	3	24-34	GrSiLo	10YR5/4	B	NCM
89	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	GrSiLo	10YR4/2	A	NCM
	3	28-39	GrSiLo	10YR5/4	B	NCM
90	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	GrSiLo	10YR4/2	A	NCM
	3	26-36	GrSiLo	10YR5/4	B	NCM
91	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrSiLo	10YR4/2	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
92	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-36	GrSiLo	10YR4/2	A	NCM
	3	36-47	GrSiLo	10YR5/4	B	NCM
93	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-30	GrSiLo	10YR4/2	A	NCM
	3	30-42	GrSiLo	10YR5/4	B	NCM
94	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-10	GrSiLo	10YR4/2	A	NCM
	3	10-23	GrSiLo	10YR5/4	B	NCM
95	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-33	GrSiLo	10YR5/4	B	NCM
96	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-19	GrSiLo	10YR4/2	A	NCM
	3	19-30	GrSiLo	10YR6/6	B	NCM
97	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-11	GrSiLo	10YR4/2	A	NCM
	3	11-rocks.				

98	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-14	GrSiLo	10YR4/2	A	NCM
	3	14-27	GrSiLo	10YR5/4	B	NCM
99	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-12	GrSiLo	10YR4/2	A	NCM
	3	12-24	GrSiLo	10YR6/6	B	NCM
100	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-12	GrSiLo	10YR4/2	A	NCM
	3	12-22	GrSiLo	10YR5/4	B	NCM
101	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-18	GrSiLo	10YR4/2	A	NCM
	3	18-23,rocks	GrSiLo	10YR5/4	B	NCM
102	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	GrSiLo	10YR4/2	A	NCM
	3	23-37	GrSiLo	10YR5/4	B	NCM
103	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-31	GrSiLo	10YR5/4	B	NCM
104	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-15	GrSiLo	10YR4/2	A	NCM
	3	15-rocks.				
105	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-31	GrSiLo	10YR4/2	A	NCM
	3	31-40	GrSiLo	10YR5/4	B	NCM
106	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-rocks.				
107	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	GrSiLo	10YR4/2	A	NCM
	3	24-26,rocks	GrSiLo	10YR5/4	B	NCM
108	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-14	GrSiLo	10YR4/2	A	NCM
	3	14-24	GrSiLo	10YR5/4	B	NCM
109	2	0-16	GrSiLo	10YR4/2	A	NCM
	3	16-27	GrSiLo	10YR5/4	B	NCM
110	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-32	GrSiLo	10YR5/4	B	NCM
111	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-29	GrSiLo	10YR5/4	B	NCM

112	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-21	GrSiLo	10YR4/2	A	NCM
	3	21-33	GrSiLo	10YR5/4	B	NCM
113	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-24	GrSiLo	10YR4/2	A	NCM
	3	24-rocks.				
114	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-29	GrSiLo	10YR4/2	A	NCM
	3	29-33,rocks	GrSiLo	10YR5/4	B	NCM
115	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	GrSiLo	10YR4/2	A	NCM
	3	25-36	GrSiLo	10YR5/4	B	NCM
116	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrSiLo	10YR4/2	A	NCM
	3	25-37	GrSiLo	10YR5/4	B	NCM
117	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-31	GrSiLo	10YR5/4	B	NCM
118	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	NCM
	3	20-32	GrSiLo	10YR5/4	B	NCM
119	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
120	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-14	GrSiLo	10YR4/2	A	NCM
	3	14-rocks.				
121	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-15	GrSiLo	10YR4/2	A	NCM
	3	15-29	GrSiLo	10YR5/4	B	NCM
122	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrSiLo	10YR4/2	A	NCM
	3	17-28	GrSiLo	10YR5/4	B	NCM
123	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrSiLo	10YR4/2	A	NCM
	3	25-36	GrSiLo	10YR5/4	B	NCM
124	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	GrSiLo	10YR4/2	A	NCM
	3	24-35	GrSiLo	10YR5/4	B	NCM
125	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	GrSiLo	10YR4/2	A	NCM
	3	29-44	GrSiLo	10YR5/4	B	NCM

126	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrSiLo	10YR4/2	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
127	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	GrSiLo	10YR4/2	A	NCM
	3	31-45	GrSiLo	10YR5/4	B	NCM
128	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-35	GrSiLo	10YR5/4	B	NCM
129	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-11	GrSiLo	10YR4/2	A	NCM
	3	11-rocks.				
130	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-25,roots	GrSiLo	10YR5/4	B	NCM
131	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	GrSiLo	10YR4/2	A	NCM
	3	28-33,rocks	GrSiLo	10YR5/4	B	NCM
132	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-18	GrSiLo	10YR4/2	A	NCM
	3	18-28	GrSiLo	10YR5/4	B	NCM
133	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-17	GrSiLo	10YR4/2	A	NCM
	3	17-27	GrSiLo	10YR5/4	B	NCM
134	1	0-10	rootmat,leaves,humus		A/O	NCM
	2	10-27	GrSiLo	10YR4/2	A	NCM
	3	27-30,rocks	GrSiLo	10YR5/4	B	NCM
135	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrSiLo	10YR4/2	A	NCM
	3	17-27	GrSiLo	10YR5/4	B	NCM
136	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrSiLo,gravel	10YR4/2	A	NCM
	3	20-22,rocks	GrSiLo,gravel	10YR5/4	B	NCM
137	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-18	GrSiLo	10YR4/2	A	NCM
	3	18-28	GrSiLo	10YR5/4	B	NCM
138	1	0-10	rootmat,leaves,humus		A/O	NCM
	2	10-23	GrSiLo	10YR4/2	A	NCM
	3	23-34	GrSiLo	10YR5/4	B	NCM
139	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrSiLo	10YR4/2	A	NCM
	3	26-36	GrSiLo	10YR5/4	B	NCM

140	1	0-10	rootmat,leaves,humus		A/O	NCM
	2	10-18	GrSiLo	10YR4/2	A	NCM
	3	18-29	GrSiLo	10YR5/4	B	NCM
141	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-32	GrSiLo	10YR5/4	B	NCM
142	2	0-19	GrSiLo	10YR4/2	A	NCM
	3	19-25,rocks	GrSiLo	10YR5/4	B	NCM
143	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-31	GrSiLo	10YR6/6	B	NCM
144	2	0-10	GrSiLo	10YR4/2	A	NCM
	3	10-rocks.				
145	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-rocks.				
146	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	GrSiLo	10YR4/2	A	NCM
	3	21-34	GrSiLo	10YR5/4	B	NCM
147	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	GrSiLo	10YR4/2	A	NCM
	3	21-31	GrSiLo	10YR5/4	B	NCM
148	1	0-9	rootmat,leaves,humus		A/O	NCM
	2	9-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
149	1	0-7	rootmat,leaves,humus		A/O	NCM
	2	7-22	GrSiLo	10YR4/2	A	NCM
	3	22-33	GrSiLo	10YR5/4	B	NCM
150	2	0-25	GrSiLo	10YR4/2	A	NCM
	3	25-30,rocks	GrSiLo	10YR5/4	B	NCM
151	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
152	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-21	GrSiLo	10YR4/2	A	NCM
	3	21-30	GrSiLo	10YR5/4	B	NCM
153	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-17	GrSiLo	10YR4/2	A	NCM
	3	17-30	GrSiLo	10YR5/4	B	NCM

154	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	GrSiLo	10YR4/2	A	NCM
	3	24-38	GrSiLo	10YR5/4	B	NCM
155	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	GrSiLo	10YR4/2	A	NCM
	3	22-26,rocks	GrSiLo	10YR5/4	B	NCM
156	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-18	GrSiLo	10YR4/2	A	NCM
	3	18-28	GrSiLo	10YR5/4	B	NCM
157	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-10	GrSiLo	10YR4/2	A	NCM
	3	10-20	GrSiLo	10YR5/4	B	NCM
158	2	0-27	GrSiLo	10YR4/2	A	NCM
	3	27-30,rocks	GrSiLo	10YR5/4	B	NCM
159	2	0-18	GrSiLo	10YR4/2	A	NCM
	3	18-22,rocks	GrSiLo	10YR5/4	B	NCM
160	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrSiLo	10YR4/2	A	NCM
	3	17-29	GrSiLo	10YR5/4	B	NCM
161	2	0-18	GrSiLo	10YR4/2	A	NCM
	3	18-29	GrSiLo	10YR5/4	B	NCM
162	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-23,rocks	GrSiLo	10YR5/4	B	NCM
163	2	0-24	GrSiLo	10YR4/2	A	NCM
	3	24-28,rocks	GrSiLo	10YR5/4	B	NCM
164	2	0-13	GrSiLo	10YR4/2	A	NCM
	3	18-22,roots	GrSiLo	10YR5/4	B	NCM
165	2	0-16	GrSiLo	10YR4/2	A	NCM
	3	16-22,rocks	GrSiLo	10YR5/4	B	NCM
166	2	0-10	GrSiLo	10YR4/2	A	NCM
	3	10-roots.				
167	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	GrSiLo	10YR4/2	A	NCM
	3	13-rocks.				
168	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	GrSiLo	10YR4/2	A	NCM
	3	22-roots.				

169	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	GrSiLo	10YR4/2	A	NCM
	3	26-39	GrSiLo	10YR5/4	B	NCM
170	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
171	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	flake
	3	20-31	GrSiLo	10YR5/4	B	NCM
172	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
173	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-19	GrSiLo	10YR4/2	A	NCM
	3	19-30	GrSiLo	10YR5/4	B	NCM
174	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-29	GrSiLo	10YR5/4	B	NCM
175	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-29	GrSiLo	10YR5/4	B	NCM
176	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-13	GrSiLo	10YR4/2	A	NCM
	3	13-23	GrSiLo	10YR5/4	B	NCM
177	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-19	GrSiLo	10YR4/2	A	NCM
	3	19-22,rocks	GrSiLo	10YR5/4	B	NCM
178	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-17	GrSiLo	10YR4/2	A	NCM
	3	17-20,rocks	GrSiLo	10YR5/4	B	NCM
179	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	NCM
	3	20-45	GrSiLo	10YR5/4	B	NCM
180	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-18	GrSiLo	10YR4/2	A	NCM
	3	18-28	GrSiLo	10YR5/4	B	NCM
181	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	GrSiLo	10YR4/2	A	NCM
	3	30-40	GrSiLo	10YR5/4	B	NCM
182	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	GrSiLo	10YR4/2	A	NCM
	3	29-43	GrSiLo	10YR5/4	B	NCM

183	2	0-25	GrSiLo	10YR4/2	A	NCM
	3	25-38	GrSiLo	10YR5/4	B	NCM
184	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-22	GrSiLo	10YR4/2	A	NCM
	3	22-32	GrSiLo	10YR5/4	B	NCM
185	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	GrSiLo	10YR4/2	A	NCM
	3	23-35	GrSiLo	10YR5/4	B	NCM
186	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-31	GrSiLo	10YR5/4	B	NCM
187	2	0-17	GrSiLo	10YR4/2	A	NCM
	3	17-23,rocks	GrSiLo	10YR5/4	B	NCM
188	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-18	GrSiLo	10YR4/2	A	NCM
	3	18-30	GrSiLo	10YR5/4	B	NCM
189	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-14	GrSiLo	10YR4/2	A	NCM
	3	14-32	GrSiLo	10YR5/4	B	NCM
190	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-16	GrSiLo	10YR4/2	A	NCM
	3	16-26	GrSiLo	10YR5/4	B	NCM
191	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrSiLo	10YR4/2	A	NCM
	3	25-38	GrSiLo	10YR5/4	B	NCM
192	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
193	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-12	GrSiLo	10YR4/2	A	NCM
	3	12-asphalt.				
194	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-15	GrSiLo	10YR4/2	A	NCM
	3	15-roots.				
195	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-15	GrSiLo	10YR4/2	A	NCM
	3	15-26,roots	GrSiLo	10YR5/4	B	NCM
196	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-14	GrSiLo	10YR4/2	A	NCM
	3	14-24	GrSiLo	10YR5/4	B	NCM

197	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-11	GrSiLo	10YR4/2	A	NCM
	3	11-25	GrSiLo	10YR5/4	B	NCM
198	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-10	GrSiLo	10YR4/2	A	NCM
	3	10-20	GrSiLo	10YR6/6	B	NCM
199	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-15	GrSiLo	10YR4/2	A	NCM
	3	15-22,rocks	GrSiLo	10YR5/4	B	NCM
200	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	GrSiLo	10YR4/2	A	NCM
	3	22-35	GrSiLo	10YR5/4	B	NCM
201	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	GrSiLo	10YR4/2	A	NCM
	3	23-33	GrSiLo	10YR5/4	B	NCM
202	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	GrSiLo	10YR4/2	A	NCM
	3	22-35	GrSiLo	10YR5/4	B	NCM
203	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-28	GrSiLo	10YR5/4	B	NCM
204	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-17	GrSiLo	10YR4/2	A	NCM
	3	17-30	GrSiLo	10YR5/4	B	NCM
205	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-7,fill	GrSiLo	10YR4/2	A	NCM
	3	7-18	GrSiLo	10YR5/4	B	NCM
206	1	0-10	rootmat,leaves,humus		A/O	NCM
	2	10-20	GrSiLo	10YR4/2	A	NCM
	3	17-39	GrSiLo	10YR5/4	B	NCM
207	2	0-18	GrSiLo	10YR4/2	A	NCM
	3	18-22,rocks	GrSiLo	10YR5/4	B	NCM
208	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrSiLo	10YR4/2	A	NCM
	3	17-27	GrSiLo	10YR5/4	B	NCM
209	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	plastic,bottle glass
	3	20-22,rocks	GrSiLo	10YR5/4	B	NCM
210	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrSiLo	10YR4/2	A	NCM
	3	17-rocks.				

211	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-15	GrSiLo	10YR4/2	A	NCM
	3	15-26	GrSiLo	10YR5/4	B	NCM
212	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-16	GrSiLo	10YR4/2	A	NCM
	3	16-27	GrSiLo	10YR5/4	B	NCM
213	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-34	GrSiLo	10YR4/2	A	NCM
	3	34-42,rocks	GrSiLo	10YR5/4	B	NCM
214	2	0-14	GrSiLo	10YR4/2	A	NCM
	3	14-roots.				
215	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrSiLo	10YR4/2	A	NCM
	3	17-19,rocks	GrSiLo	10YR5/4	B	NCM
216	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	GrSiLo	10YR4/2	A	NCM
	3	13-24	GrSiLo	10YR5/4	B	NCM
217	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
218	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	GrSiLo	10YR4/2	A	NCM
	3	23-26,rocks	GrSiLo	10YR5/4	B	NCM
219	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-10	GrSiLo	10YR4/2	A	NCM
	3	10-22	GrSiLo	10YR5/4	B	NCM
220	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-19	GrSiLo	10YR4/2	A	NCM
	3	19-29	GrSiLo	10YR5/4	B	NCM
221	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	GrSiLo	10YR4/2	A	NCM
	3	24-37	GrSiLo	10YR5/4	B	NCM
222	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	GrSiLo	10YR4/2	A	NCM
	3	20-23,rocks	GrSiLo	10YR5/4	B	NCM
223	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-15	GrSiLo	10YR4/2	A	NCM
	3	15-25	GrSiLo	10YR5/4	B	NCM
224	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	GrSiLo	10YR4/2	A	NCM
	3	24-26,rocks	GrSiLo	10YR5/4	B	NCM

225	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-18	GrSiLo	10YR4/2	A	NCM
	3	18-21,roots	GrSiLo	10YR5/4	B	NCM
226	2	0-24	GrSiLo	10YR4/2	A	NCM
	3	24-26,rocks	GrSiLo	10YR5/4	B	NCM
227	2	0-21	GrSiLo	10YR4/2	A	NCM
	3	21-33	GrSiLo	10YR5/4	B	NCM
228	2	0-9	GrSiLo	10YR4/2	A	NCM
	3	9-rocks.				
229	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-10	GrSiLo	10YR4/2	A	NCM
	3	10-21	GrSiLo	10YR5/4	B	NCM
230	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-30	GrSiLo	10YR5/4	B	NCM
231	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	GrSiLo	10YR4/2	A	NCM
	3	17-30	GrSiLo	10YR5/4	B	NCM
232	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	GrSiLo	10YR4/2	A	NCM
	3	31-42	GrSiLo	10YR5/4	B	NCM
233	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	GrSiLo	10YR4/2	A	NCM
	3	20-34	GrSiLo	10YR5/4	B	NCM
234	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-30	GrSiLo	10YR5/4	B	NCM
235	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrSiLo	10YR4/2	A	NCM
	3	22-35	GrSiLo	10YR5/4	B	NCM
236	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-13	GrSiLo	10YR4/2	A	NCM
	3	13-23	GrSiLo	10YR5/4	B	NCM
237	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A	NCM
	3	20-30	GrSiLo	10YR5/4	B	NCM
238	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-17	GrSiLo	10YR4/2	A	NCM
	3	17-30	GrSiLo	10YR6/6	B	NCM

239	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	GrSiLo	10YR4/2	A	NCM
	3	13-23	GrSiLo	10YR5/4	B	NCM
240	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-11	GrSiLo	10YR4/2	A	NCM
	3	11-23	GrSiLo	10YR6/6	B	NCM
241	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	GrSiLo	10YR4/2	A	NCM
	3	18-30	GrSiLo	10YR5/4	B	NCM
242	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-17	GrSiLo	10YR4/2	A	NCM
	3	17-29	GrSiLo	10YR5/4	B	NCM
243	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	GrSiLo	10YR4/2	A	NCM
	3	27-39	GrSiLo	10YR6/6	B	NCM
244	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	GrSiLo	10YR4/2	A	NCM
	3	23-25,rocks	GrSiLo	10YR5/4	B	NCM
245	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	GrSiLo	10YR4/2	A	NCM
	3	25-35	GrSiLo	10YR5/4	B	NCM
246	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	GrSiLo	10YR4/2	A	NCM
	3	19-29	GrSiLo	10YR5/4	B	NCM
247	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-11	GrSiLo	10YR4/2	A	glass
	3	11-32	GrSiLo	10YR5/4	B	NCM
248	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-14	GrSiLo	10YR4/2	A	glass
	3	14-27	GrSiLo	10YR5/4	B	NCM
249	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-22	GrSiLo	10YR4/2	A	NCM
	3	22-34	GrSiLo	10YR6/6	B	NNM
250	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-20	GrSiLo	10YR4/2	A	NCM
	3	20-34	GrSiLo	10YR6/6	B	NCM
251	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-19	GrSiLo	10YR4/2	A	NCM
	3	19-29	GrSiLo	10YR6/6	B	NCM
252	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	GrSiLo	10YR4/2	A	NCM
	3	21-34	GrSiLo	10YR6/6	B	NCM

253	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-10,blacktop.			
254	2	0-4	GrSiLo	10YR4/2	A NCM
	3	4-rocks.			
255	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-15	GrSiLo	10YR4/2	A NCM
	3	15-34	GrSiLo	10YR6/6	B NCM
256	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-17	GrSiLo	10YR4/2	A NCM
	3	17-27	GrSiLo	10YR6/6	B NCM
257	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A NCM
	3	20-32	GrSiLo	10YR6/6	B NCM
258	1	0-6	rootmat,leaves,humus	A/O	NCM
	2	6-20	GrSiLo	10YR4/2	A NCM
	3	20-34	GrSiLo	10YR6/6	B NCM
259	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-19	GrSiLo	10YR4/2	A NCM
	3	19-29	GrSiLo	10YR6/6	B NCM
260	1	0-3	rootmat,leaves,humus	A/O	NCM
	2	3-21	GrSiLo	10YR4/2	A NCM
	3	21-34	GrSiLo	10YR6/6	B NCM
261	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A NCM
	3	20-34	GrSiLo	10YR6/6	B NCM
262	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A NCM
	3	20-30	GrSiLo	10YR6/6	B NCM
263	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-15	GrSiLo	10YR4/2	A NCM
	3	15-34	GrSiLo	10YR6/6	B NCM
264	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-17	GrSiLo	10YR4/2	A NCM
	3	17-27	GrSiLo	10YR6/6	B NCM
265	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-20	GrSiLo	10YR4/2	A NCM
	3	20-32	GrSiLo	10YR6/6	B NCM

APPENDIX 3



NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

For Office Use Only--Site Identifier _____

Project Identifier Knox Village Date 6-27-08

Your Name Alfred Cammisa Phone (845) 783-4082
Address 62 Pickerel Rd.
Monroe, NY

Organization (if any) TRACKER-Archaeology Services

1. SITE IDENTIFIER(S) Knox Village Isolate

2. COUNTY Orange One of the following: CITY
TOWNSHIP New Windsor
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER Na
Address _____

4. SITE DESCRIPTION (check all appropriate categories):

Site

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Stray Find | <input type="checkbox"/> Cave/Rockshelter | <input type="checkbox"/> Workshop |
| <input type="checkbox"/> Pictograph | <input type="checkbox"/> Quarry | <input type="checkbox"/> Mound |
| <input type="checkbox"/> Burial | <input type="checkbox"/> Shell Midden | <input type="checkbox"/> Village |
| <input type="checkbox"/> Surface Evidence | <input type="checkbox"/> Camp | <input type="checkbox"/> Material in plow zone |
| <input type="checkbox"/> Material below plow zone | <input type="checkbox"/> Buried evidence | <input type="checkbox"/> Intact Occupation floor |
| <input type="checkbox"/> Single component | <input type="checkbox"/> Evidence of features | <input type="checkbox"/> Stratified |
| | <input type="checkbox"/> Multicomponent | |

Location

- | | | |
|--|--|--|
| <input type="checkbox"/> Under cultivation | <input type="checkbox"/> Never cultivated | <input type="checkbox"/> Previously cultivated |
| <input type="checkbox"/> Pastureland | <input checked="" type="checkbox"/> Woodland | <input type="checkbox"/> Floodplain |
| <input type="checkbox"/> Upland | | <input type="checkbox"/> Sustaining erosion |

Soil Drainage: excellent good x fair poor

Slope: flat gentle x moderate steep

Distance to nearest water from site (approx.) 400

Elevation: 230-320-amsl

5. SITE INVESTIGATION (append additional sheets, if necessary):

Surface--date(s) May-June 2008

Site map (Submit with form)

Collection

Subsurface--date(s) May - June, 2008

Testing: shovel coring other _____ unit size 30cm

no. of units 256 (Submit plan of units with form)

Excavation: unit size _____ no. of units _____

Investigator Alfred Cammisa

Manuscript or published report(s) (reference fully):

Phase I Archaeological Investigation for the proposed Knox Village Senior Housing Vails Gate, Township of New Windsor Orange County, New York

Present repository of materials TRACKER

6. COMPONENT(S) (cultural affiliation/dates):

na

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material):

chert flake

If historic materials are evident, check here and fill out historic site form _____

8. MAP REFERENCES

USGS 7.5 Minute Series Quad. Name Cornwall, NY

UTM Coordinates _____

9. Photography



RESULTS OF P.B. MEETING OF: October 29, 2008

PROJECT: Legacy Woods P.B. # 08-01

LEAD AGENCY:

NEGATIVE DEC:

AUTHORIZE COORD. LETTER: Y N

M) ✓ S) VOTE: A N

TAKE LEAD AGENCY: Y N

CARRIED: Y N

M) S) VOTE: A N

CARRIED: Y N

PUBLIC HEARING: WAIVED: CLOSED: FINAL:

M) S) VOTE: A N SCHEDULE P.H.: Y N

SEND TO O.C. PLANNING: Y

RETURN TO WORK SHOP: Y N

SEND TO DEPT. OF TRANS: Y REFER TO Z.B.A.: M) S) VOTE: A N

APPROVAL:

CONCEPTUAL: PRELIMINARY: COND. FINAL: FINAL:

M) S) VOTE: A N APPROVED:

NEED NEW PLANS: Y N

CONDITIONS - NOTES:

Following the neg. dec. they can go back to TB for Special Permit			
MEETING DATE: <u>10-29-08</u>			